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INFORMATION REPORT INFORMATION REPORT

CENTRAL INTELLIGENCE AGENCY

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COUNTRY	Poland	•	REPORT						
SUBJECT	Installation for Pr		DATE DISTR.	2 9 MAR 1958					
	Iron Ore at Sabinov Czestochowa		NO. PAGES	.2					
•			REFERENCES	25X1					
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	History, general de			456 4/70					
	it is processed in the caking plant, there are difficulties in the blast furnaces which get choked up and slow up or stop work. For this reason, a process of enrichment of the iron ore similar to the usual procedure in blast furnaces has been adopted; for this, ore with 80% Fe content is obtained. The plant for carrying out this process was begun in 1952 and went into operation in 1956; it serves not only Czestochowa, but a number of other foundries in Poland. b. In the first half of 1956 preliminary work was begun on the construction of another plant at Zebiec near Ilza. The whole project was worked out APR methods for the foundry industry), Gliwice (Gleiwitz), ul. Tubois 16. The overall planning was under the supervision of Ing. Wasylewicz 2fhd Professor								
	practical supe	rvision of Ing. St.	anislaw Sasiadek						
	construction w	ere provided by the	Zabrze. Funds fo	The work of construction 25X r investment in the ing in Warsaw.					
2.	Location (see sket	plant known as	Zelgruda Sabinov	hoter excellent min when it wishes southern					
'\	outskirts of Sabin continuation of the point where this r	ow, about 4 km. so road from Czesto oad branches off,	uth of Czestochow chowa, has been b a new transformer	a. A new road, a wilt to it; at the station has been put up.					
÷	A railroad line br about 400 x 300 m.	anches off on the	east side. The t	otal area of the plant is					

STATE X ARMY X NAVY X ALR X FBI AEC

(Note: Washington distribution indicated by "X"; Field distribution by "#".)

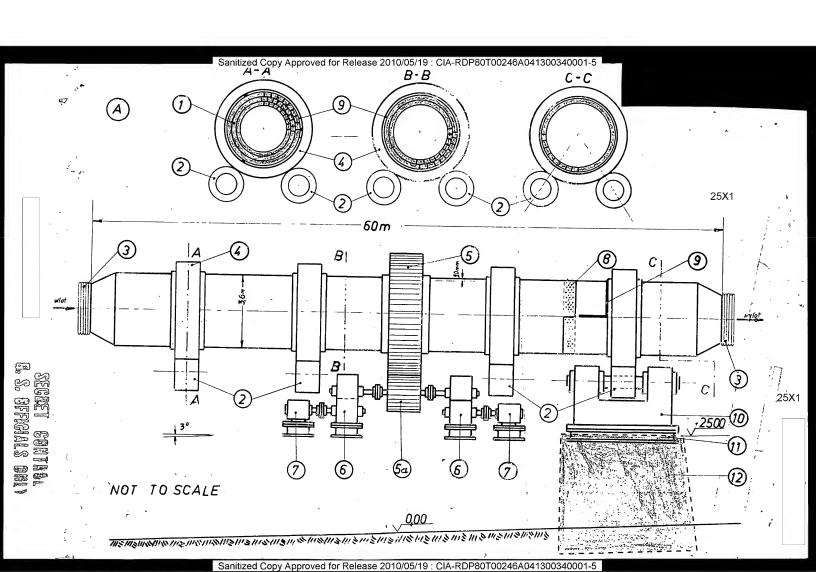
NFORMATION REPORT INFORMATION REPOR



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Techr	nical data					•
• •	The procedure for a rotary heating f with a slant of 2 maximum temperature ore and collected is known as a "mul material (mainly tore with 80% Fe co Equipment includes a slant of 30, and slant of 20. The the products of Hu cover 20 mm. thick which is ordinary according to hardn of making the C.45.	urnace, 60 to 3°, while e of 1,200° in drops but ticyclone he Fe) by a ntent: two rotary one rotary furnaces conta Ferum (contains, and 0 ess). Huta quality.	to 70 m. long i is heated by C. The iron t is not yet p which separate high rate of furnaces 60 m furnace 70 m. sist of 11 pa yer designati ality steel p 15, the first Ferum is the	and 3 to 4.2 coal dust an content is se ure Fe; it th s the lighter rotation, thu . long, diame long, diame trus riveted to lating (quali type of stee only foundry	m. in diameted reaches a parated from the near sobtaining reter 3.6 m., where 4.2 m., who compared the range from Poland car	the gh what vier ure ith the ach are or oo, wards, able
đ.	Czechoslovakia; at thick; at other pa around their axis, There are two elec These motors prese view in Poland, an	the hottes rts, 250 mm driven by tric motors nted a very	points, the , and finally gearing encire for each furn serious probl	layer of brid 125 mm. The Ling the midd ace, one of w em from the p	is is 375 mm. Turnaces rotile. which is a respondention poi	erve.
	modifications, of	some factor	y in Cracow.	of the state of th	epa y ent opwart	
	Each complete furn actual heating fur Operation is fully	nace, the	multicyclone"	and the two e	st chamber, the	ie *s• 2



- Mer to whetch of Austrace (Shotch A).
- 1) Brick lining, in A A, three layers 125 mm. thick, i.e. 375 mm; in B B, two layers, i.e. 250 mm. thick, and in C C, 125 mm. thick.
- ii) Bearings supporting the furnace.
- 111) Company of or each end
- iv) Rotary bearings firmly serewed into the furnace casing and resting on the supporting bearings (2).
- v) Gear wheel for rotating the furnace, riveted into the casing
- va) Spur gearing which, with the wheel, rotates the furnace
- vi) Transmission mechanism from electric motor to gearing
- vii) Electric motors, on of which, with one set of gearing, is in reserve.
- viii) Furnace casing, 20 mm. thick, riveted, in 11 parts.
- ix) Lining under rotary bearings, steel plating 20 am. thick.
- x) Bearing supports, four-fold, two-axle.
- 21) Framework for bearing supports, screwed into a concrete base
- ziii) Perro-concrete house 27 200 Lee. 30 kg. Iron to the fifte motive.



SEGISE 1

Key to sketch of process of ore employment (see sketch B)

- i) Ferro-concrete building 30 x 20 m.,5m. high, containing coal dust chember with several circular mills for grinding coal dust used in the furnaces, which takes up the largest space; ventilators and conveyor mechanism.
- and iron one are brought into the furnace by conveyor.
- 111) Ferro-concrete building, about 40 x 30 m. and 10 m. high, containing, in addition to conveyor mechanism and ventilators, the "multicyclone", which was built in Foland according to Czechoslovak design.

25X1

